0806E484

Candidate's Seat No :_____

M.Sc Sem.-2 Examination
P - 408
Climate Change
June 2022

Time : 2-00 Hours]

[Max. Marks : 50

Instructions: All Questions in **section -I** carry equal marks.
Attempt any **Three** questions in **Section -I**
Questions **in Section-II** is **COMPULSORY**

Section -I

Q-I	A	Discuss the uncertainties faced while doing impact assessment.	7
	B	Elaborate the advantages of impact assessment with suitable examples.	7

Q-II	A	Discuss sensitivity, adaptability and vulnerability as approaches to impact assessment.	7
	B	Discuss few indicators of sensitivity in agricultural sector.	7

Q-III	A	What is remote sensing? Explain the platforms of remote sensing in detail	7
	B	Explain the types of satellite orbit with diagrams and corresponding a applications	7

Q-IV	A	Describe the applications of remote sensing across 3 sectors	7
	B	Explain in detail GIS and its applications	7

Q-V	A	Provide a historical perspective of greenhouse gases. List all the most important greenhouse gases.	7
	B	Make a diagram of earth's radiation budget.	7

Q-VI	A	What is the difference among weather, climate, climate change and climate variability?	7
	B	What is Milankovitch cycle?	7

Q-VII	A	How can we relate epidemiology with analogues?	7
	B	Discuss focus group and ethnography.	7

Q-VIII	A	Explain the impact of climate change on pattern of vector-borne diseases.	7
	B	Highlight the differences between projection and scenario.	7

Section II

Q IX	1. What is baseline for comparison?	8
	2. Explain non-monetary valuation.	
	3. What is the major application of HEO satellites?	
	4. What is the spatial resolution of Quickbird satellite?	
	5. What happens to latent heat during evaporation?	
	6. Has there been climate change in the past?	
	7. Which insect is the carrier of Lyme disease?	
	8. Explain parsimony.	